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15087560931;# 7/11

COMBINED DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

Attorney's Docket No.

23523-0111 As a below-named inventor, I hereby declare that: My residence, post office address and cirizenship are as stated below next to my name; I BELIEVE I AM THE ORIGINAL, FIRST AND SOLE INVENTOR (if only one name is listed below) OR AN ORIGINAL, FIRST AND JOINT INVENTOR (If more than one name is listed below) OF THE SUBJECT MATTER WHICH IS CLAIMED AND FOR WHICH A PATENT IS SOUGHT ON THE INVENTION ENTITLED: TELOMERE RESTORATION AND EXTENSION OF CELL LIFESPAN IN ANIMALS CLONED FROM

SENESCENT SOMATIC CELLS the specification of which (check one) is attached hereto; was filed on _ March 16, 2000 Application No. ___ and was amended on _ (if applicable)

I HAVE REVIEWED AND UNDERSTAND THE CONTENTS OF THE ABOVE-IDENTIFIED SPECIFICATION, INCLUDING THE CLAIMS, AS AMENDED BY ANY AMENDMENT REFERRED TO ABOVE;

I ACKNOWLEDGE THE DUTY TO DISCLOSE TO THE OFFICE ALL INFORMATION KNOWN TO ME TO BE MATERIAL TO PATENTABILITY AS DEFINED IN TITLE 37, CODE OF FEDERAL REGULATIONS, Sec. 1.56 (as amended effective March 16, 1992);

I do not know and do not believe the said invention was ever known or used in the United States of America before my or our invention thereof, or patented or described in any printed publication in any country before my or our invention thereof or more than one year prior to said application; that said invention was not in public use or on saie in the United States of America more than one year prior to said application; that said invention has not been patented or made the subject of an inventor's certificate issued before the date of said application in any country foreign to the United States of America on any application filed by me or my legal representatives or assigns more than twelve months prior to said application,

I hereby claim foreign priority benefits under Title 35, United States Code \$119 and/or \$365 of any foreign application(s) for patent or inventor's certificate as indicated below and have also identified below any foreign application for patent or inventor's certificate on this invention having a filing date before that of the application(s) on which priority is claimed:

P. 03 15087560931;# 8/11

COUNTRY/INTERNATIONAL	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED
			YES_ NO_
			YES_ NO_
I hereby claim the benefit under 35 U.S.	C. Section 119(e) of any United St	ates provisional application	n(s) listed below:
APPLICATION SERIAL NO.	FILING DATE		
60/179,486	February 1, 2000		
60/152,340	September 7, 1999		
I hereby claim the benefit under 35 U.S. International application designating the of this application is not disclosed in the first paragraph of 35 U.S.C. Section 112 Office all information known to me to became available between the filing date application:	United States, listed below and, in prior United States or PCT Interns 2, I acknowledge the duty to disclose a material to patentability as define	sofar as the subject matter utonal application in the m se to the United States Pare d in Title 37, C.F.R., Seci	of each of the claims anner provided by the ant and Trademark ion 1.56 which
APPLICATION SERIAL NO.	FILING DATE	1	ratus nding, abandoned)
			-
I hereby appoint the following attorneys and Trademark Office connected therew applications directed to said invention: Robin L. Teskin (Reg. No. 3. Bonnic Weiss (Reg. No. 43.2 Lawrence J. Gotts (Reg. No.	ith and to file, prosecute and to tra 5,030) Samir Elamra (55) Michelle S. M	ication and to transact all insact all business in conne ni (Reg. No. 43,601) arks (Reg. No. 41,971) arks (Reg. No. 32,329)	ction with international
and:			
Address all correspondence to:	SHAW PITTMAN Attn: Technology/Paten 2300 N Street, N.W. Washington, D.C. 2003		
Address all telephone calls to: Ro	hìn L, Teskin		_ at (202) 663-8000.
I hereby declare that all statements made and belief are believed to be true; and for ments and the like we made are punishably states Code and that such willful false so	urther that these statements were mole by fine or imprisonment, or bot	ade with the knowledge th h, under Section 1001 of 7	of willful false state- Title 18 of the United

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full name of sole or first inventor	SIGNAPORE	7	DATE
Michael D. Woul	Mari	hup	11-14-00
RESIDENCE	* 	CITIZENSHIP	7 7 7 5 5
Worcester, MA		U.S.A.	
POST OFFICE ADDRESS		0.546.	
One Innovation Drive, Worcester, MA 01605			
FULL NAME OF SECOND JOINT INVENTOR, IF ANY	SIGNATURE (DATE .
Jose Crbelli		_	DATE 14.00
MESIDENCE		CTTIZENSHIP	
Holden, MA		USA ARE	ENTINA
POST OFFICE ADDRESS		1 92.0.1	O (T) (T)
21 Tamarock Cirole, Holdon, MA 01520	_		
PULL NAME OF THIRD IOINT INVENTOR, IF ANY	SIGNATURE		DATE
Robert Lanza	Kolutha	.	11-14-00
RESIDENCE	1 / Man / Man	CHIZENSHIP	77-7-0
Wurpester, MA		6.s.a.	
Post office address			
One Innovation Drive. Worcester, MA 01605			
full name of fourth joint inventor, if any	SIGNATURE		DATE
KESIDENCE		CITIZENSHIP	
POST OFFICE ADDRESS			
FULL NAME OF FIFTH JOINT INVENTOR, IF ANY	SIONATURE		DATE
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RECIDENCE		CITIZENSHIP	
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PULL NAME OF SIXTH JOINT INVENTOR, IF ANY	SIGNATURE		DATE
RESIDENCE		CITIZENSHIP	
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FULL NAME OF SEVENTH JOINT INVENTOR, IF ANY	SIGNATURE		DATE
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COMBINED DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

Attorney's Docket No.

(if applicable)

23523-0111

As a below-named inventor, I bereby declars that: My residence, post office address and cirizenship are as stated below next to my name; I BELIEVE I AM THE ORIGINAL, FIRST AND SOLE INVENTOR (if only one name is listed below) OR AN ORIGINAL, FIRST AND JOINT INVENTOR (if more than one name is listed below) OF THE SUBJECT MATTER WHICH IS CLAIMED AND FOR WHICH A PATENT IS SOUGHT ON THE INVENTION ENTITLED: TELOMERE RESTORATION AND EXTENSION OF CELL LIPESPAN IN ANIMALS CLONED FROM SENESCENT SOMATIC CELLS the specification of which					
(check one)	is attached hereto; was filed on <u>March 16, 2000</u> as Application No. <u>09/527,026</u>				

I HAVE REVIEWED AND UNDERSTAND THE CONTENTS OF THE ABOVE-IDENTIFIED SPECIFICATION, INCLUDING THE CLAIMS, AS AMENDED BY ANY AMENDMENT REFERRED TO ABOVE;

and was amended on

I ACKNOWLEDGE THE DUTY TO DISCLOSE TO THE OFFICE ALL INFORMATION KNOWN TO ME TO BE MATERIAL TO PATENTABILITY AS DEFINED IN TITLE 37, CODE OF FEDERAL REGULATIONS, Sec. 1.56 (as amended effective March 16, 1992);

I do not know and do not believe the said invention was ever known or used in the United States of America before my or our invention thereof, or patented or described in any primed publication in any country before my or our invention thereof or more than one year prior to said application; that said invention was not in public use or on sale in the United States of America more than one year prior to said application; that said invention has not been patented or made the subject of an inventor's cortificate issued before the date of said application in any country foreign to the United States of America on any application filed by me or my legal representatives or assigns more than twelve months prior to said application;

I hereby claim foreign priority benefits under Title 35, United States Code \$119 and/or \$365 of any foreign application(s) for patent or inventor's certificate as indicated below and have also identified below any foreign application for patent or inventor's certificate on this invention having a filing date before that of the application(s) on which priority is claimed;

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SHAW PITTM

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COUNTRY/INTERNATIONAL	ADDITAL		
	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED
		-	YES_ NO_
I hereby claim the henefit under 35 TL 6	20 00 00 0000		YES_ NO_
I hereby claim the benefit under 35 U.S	C. Section 119(e) of any United Su	ates provisional application	(5) listed below:
APPLICATION SERIAL NO.	1	FILING DATE	
60/179,486	Pebruary 1, 2000		
60/152,340		pæmber 7, 1999	
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of this application is not disclosed in the first paragraph of 35 U.S.C. Section 112 Office all information known to me to be became available between the filing date application: APPLICATION SERIAL NO.	Tatalal to your 17 III	in Title 37, C.F.R., Sectional or PCT International f	r and Trademark on 1.56 which iling date of this
			ATUS ling, abandoned)
I hereby appoint the following attorneys and Trademark Office connected therewis applications directed to said invention: Robin L. Teskin (Reg. No. 35 Bonnic Weiss (Reg. No. 43,25 Lawrence J. Gotts (Reg. No. 3	(,030) Samir Elamrani (Michelle S. Mari	ation and to transact all bus act all business in connection (Reg. No. 43,601) its (Reg. No. 41,971) harek (Reg. No. 32,329)	riness in the Parent on with international
and:		-	
Address all correspondence to:			
	SHAW PITTMAN Attn: Technology/Patents 2300 N Street, N.W. Washington, D.C. 20037-1	1128	
Address all telephone calls to: Robi	n L. Teakin		- 1- Day 442 Day
hereby declare that all statements made hust belief are believed to be true; and furtients and the like at made are punishable states Code and that such willful false state	herein of my own knowledge are much that these statements were made	e and that all statements ma with the knowledge that w	uliful false state-

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MULL NAME OF SOLE OR PIRST INVENTOR	SUNAPORE		
Michael D. West RESIDENCE	1000	120	11-14-00
Worcesier, MA POST OFFICH ADDRESS		U.S.A.	
One Innovation Drive, Worcestor, MA 01605 FULL NAME OF SECOND JOINT INVENTOR, 17 ANY	SIGNATURE		
Jose Cibelli RESIDENCE	SIGNATURE		DATE
Holden, MA POST OFFICE ADDRESS		CITIZENSHIP U.S.A.	
21 Tamarack Cirole, Holden, MA 01520 FULL NAME OF THIRD JOINT INVENTOR, U-ANY	MANAGEME		
Eithert Luiza	SIGNATURE		DATE
Wordenicr, MA POST OFFICE ADDRESS		CTIZENSHIP U.S.A.	
One Innovation Drive, Wordstow, MA 01603 PULL NAME OF FOURTH JOINT INVENTOR, IF ANY			
RESIDENCE	SIGNATURE		DATE
POST OFFICE ADDRESS		CITIZENSHIP	
FULL NAME OF FIFTH JOINT INVENTOR, IF ANY	SIGNATURE		DATE
RESIDENCE		CITIZENSHIP	
POST OFFICE ADDRESS ,			
full name of sixth joint inventor, if any	SIGNATURE		DATE
RUSIDENCE		CTTZENSHIP	
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FOLL NAME OF SEVENTH JOINT INVENTOR, IF ANY	SIGNATURE		DVIA
DESIDIANCE		CITIZENSHIP	
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PULL NAME OF EIGHTH JOINT INVENTOR, IF ANY	SIGNATURE		DATE
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FAX NO. 150 60931

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STA	TUS G7 CFR	ENT (DECLARATION) CI	Laiming small entit	TY Docket No.
		1.9(f) AND 1.27 (c)) - SMAI	LL BUSINESS CONCERN	23523-0111
	erial No.	Filing Date	Patent No.	
09	9/527,026	March 16, 2000	i wanti i i in	18549 Pate
A!!				(2)
Applicant/ Patentee:	Michael D. West			Mnv .
				MOV 1 7 2000 0
Invention:	methods of	RESTORING TELOMERE LE	NCTH AND EVTPUDING COL	The state of the s
	NUCLEAR TR	' restoring telomere le: Ansfer	ng in and date quing cel	L LIFESPAN USING
				THE STATE OF THE S
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l hereby de	eclare that I am:			
M 8	an official of the sr	mail business concern identified	below;	,
	,	mall business concern empower	ed to act on behalf of the conce	m identified below:
NAME OF	CONCERN: A	dvanged Cell Technology In-		
ADDRESS	OF CONCERN:	One Innovation Drive, Worces	ster, Massachusetts 01605 U.S.A.	u17
13 CFR 12	Maire that the acc	ove-identified small business co iduced in 37 CFR 1.9(d), for pur	incem qualifies as a small busi	nass concern as defined in
of Tide 35.	United States Co.	Via in the the sumber of	hand of haliting terringer 1988 fi	inder Section 41(a) and (b)
not exceed	1500 persons En	TE BURNAMA AFALLA - Later - 1 44	And or the confeeling the mentioned	UIDSE OF its affiliates, does
average ov	ver the previous fi	ECEL VASE of the service of the	A are married of aurbiohees of fi	no business concern is the
HILD SIBBU	g each of the pa	by periods of the fiscal year, ar incommon trois or has the nower	nd (2) concerns are affiliates (me, part-time or temporary
has the pov	indirectly, one con wer to control both	ry periods of the fiscal year, ar ficern controls or has the power n.	to control the other, or a third	n each other when emer, barty or parties controls or
I hereby de	clare that rights u	inder contract or law have been to the above identified invention i	conveyed to and remain with #	• · • • ·
Menuneo a:	sove with regard to	to the above identified invention	descriped (U:	ne email business concern
0		i filed herewith with title as listed		•
183	the application is	then the damin's with the 40 lights	above.	
	The approximation identified above.			
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if the rights	held by the ab-	ove-identified small business of the invention is listed on the n	concern are not eveluable, on	4. 1. 10 1 h
organization	having rights to	the invention is listed on the ni for, who could not qualify as a	ext page and no rights to the	ch individual, concern or
berenii' on"	of than the invent	ior, who could not qualify as a	n Independent inventor under	37 CFR 1.9(c) or by any
person, other than the inventor, who could not qualify as an independent inventor under 37 CFR 1.9(c) or by any concern which would not qualify as a small business concern under 37 CFR 1.9(d) or a nonprofit organization under 37 CFR 1.9(e).				
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SIGNATURE:

15087560931;#11/11 Page 2 of 2 Each person, concern or organization to which I have assigned, granted, conveyed, or licensed or am under an obligation under contract or law to assign, grant, convey, or license any rights in the invention is listed below: no such person, concern or organization exists. each such person, concern or organization is listed below. **FULL NAME ADDRESS** Individual Small Business Concern Nonprofit Organization **FULL NAME ADDRESS** Individual Small Business Concern Nonprofit Organization **FULL NAME ADDRESS** Individual Small Business Concern Nonprofit Organization **FULL NAME ADDRESS** Individual Small Business Concern Nonprofit Organization Separate verified statements are required from each named person, concern or organization having rights to the invention everring to their status as small entitles. (37 CFR 1.27) I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitiement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28(b)) I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or Imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed. MICHAEL WEST NAME OF PERSON SIGNING: TITLE OF PERSON SIGNING DRESIDENT OTHER THAN OWNER: ADDRESS OF PERSON SIGNING: Advanced Cell Technology, Inc. One Innovation Drive Worcester, MA 01605 U.S.A.